## CLAIMS

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browser window.

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	CLAIMS			
175	We claim:			
475	1.	A method for retrieving and editing the data structure of a HTML UI Control comprising the steps of:		
480		displaying, a HTML UI Control in a Web page within an application window at a client device;		
		transmitting, to a first server, an HTTP request;		
485		invoking, at said first server or a second server, program code based on said HTTP request to query an information system;		
		and		
490		receiving, at said application window, an HTTP response containing the results of said query;		
		wherein the said transmitting and said receiving actions are accomplished without refreshing said Web page displaying said HTML UI Control.		
495	2.	A method as defined in claim 1, wherein said HTML UI Control is a form.		
	3.	A method as defined in claim 1, wherein said HTML UI Control is a grid.		
	4.	A method as defined in claim 1, wherein said HTML UI Control is a listview.		
500	5.	A method as defined in claim 1, wherein said HTML UI Control is a menu.		
	6.	A method as defined in claim 1, wherein said HTML UI Control is a treeview.		
505	7.	A method as defined in claim 1, wherein said HTML UI Control displays at least a portion of a list of items.		
<b>710</b>	8.	A method as defined in claim 1, wherein said Web page is contained in a HTML frame.		
510	9.	A method as defined in claim 1, wherein said Web page contains a HTML inline		

A method as defined in claim 1, wherein said application window is a Web

	11.	A method as defined in claim 1, wherein said Web page has means for storing the data structure of said HTML UI Control in a JavaScript object.
520	12.	A method as defined in claim 11, wherein said JavaScript object is a multi-dimensional array.
505	13.	A method as defined in claim 1, wherein said transmitting and said receiving actions are accomplished without the use of Web browser plugins.
525	14.	A method as defined in claim 1, wherein the transmission of said HTTP request and response is accomplished through a non-persistent HTTP connection.
520	15.	A method as defined in claim 1, wherein said information system is a database.
530 Feets	16.	A method as defined in claim 1, wherein said information system is a network domain.
	17.	A method as defined in claim 1, wherein said information system is a file system.
535	18.	A method as defined in claim 1, wherein said results are evaluated by a JavaScript function accessible by said Web page.
540	19.	A method as defined in claim 18, wherein the evaluation of said JavaScript function results in a visual alteration of the displayed HTML UI Control.
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□ ⊨ 545	41.	A method for retrieving and editing the data structure of a HTML UI Control comprising the steps of:
550	)	displaying, a HTML UI Control in a Web page within an application window at a client device, said Web page having means for storing the data structure of said HTML UI Control;
555	-	transmitting, to a first server, an HTTP request containing at least one function name and at least one parameter, wherein the program code of said function name(s) resides at a server;
555	)	invoking, at said first server or a second server, said program code to query an information system based on the evaluation of said function name(s) and said parameter(s);
560	)	and

			receiving, at said application window, an HTTP response containing the results of the execution of said query upon said information system;
	565		wherein the said transmitting and said receiving actions are accomplished without refreshing said Web page displaying said HTML UI Control.
	570	42.	A method as defined in claim 41, wherein said HTML UI Control is a form.
		43.	A method as defined in claim 41, wherein said HTML UI Control is a grid.
		44.	A method as defined in claim 41, wherein said HTML UI Control is a listview.
	575	45.	A method as defined in claim 41, wherein said HTML UI Control is a menu.
		46.	A method as defined in claim 41, wherein said HTML UI Control is a treeview.
	580	47.	A method as defined in claim 41, wherein said HTML UI Control displays at least a portion of a list of items.
		48.	A method as defined in claim 41, wherein said Web page is contained in a HTML frame.
	585	49.	A method as defined in claim 41, wherein said Web page contains a HTML inline frame.
		50.	A method as defined in claim 41, wherein said application window is a Web browser window.
	590	51.	A method as defined in claim 41, wherein said data structure is stored in a JavaScript object.
	595	52.	A method as defined in claim 51, wherein said JavaScript object is a multi- dimensional array.
		53.	A method as defined in claim 41, wherein said transmitting and said receiving actions are accomplished without the use of Web browser plugins.
	600	54.	A method as defined in claim 41, wherein the transmission of said HTTP request and response is accomplished through a non-persistent HTTP connection.
		55.	A method as defined in claim 41, wherein said information system is a database.
	605	56.	A method as defined in claim 41, wherein said information system is a network domain.

system. A method as defined in claim 41, wherein said results are evaluated by a 610 58. JavaScript function accessible by said Web page. A method as defined in claim 58, wherein the evaluation of said JavaScript 59. function results in a visual alteration of the displayed HTML UI Control. 615 [claims 60-80 intentionally left blank] 620 A system for retrieving and editing the data structure of a HTML UI Control 81. comprising: means for storing the data structure associated with at least one HTML UI Control of at least one Web page in a memory; and 625 means for executing a query to a remote information system from said Web page(s); and means for returning the results of said query to said Web page(s); and 630 <u>L</u> T. means for processing said results at said Web page(s). <u>\_</u> The system of claim 81 wherein said means for storing the data structure 82. associated with at least one HTML UI Control of at least one Web page in a 635 memory comprises: means for appending data to said data structure stored in said memory. The system of claim 81 wherein said means for storing the data structure 640 83. associated with at least one HTML UI Control of at least one Web page in a memory comprises: means for searching said data structure stored in said memory; and 645 means for replacing the data of said data structure stored in said memory. The system of Claim 81 wherein said means for executing a query to a remote 84. information system from said Web page(s) comprises: 650 means for preparing the necessary parameters of a remote procedure call (RPC) to a specified function at a server; and

A method as defined in claim 41, wherein said information system is a file

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	c = =		means for packaging said RPC as a HTTP request; and
	655		means for executing said specified function at said server.
		85.	The system of claim 81 wherein said means for returning the results of said query to said Web page(s) comprises:
	660		means for preparing said results as at least one parameter of a function call; and
			means for packaging said results as a HTTP response; and
	665		means for returning said HTTP response to said Web page(s).
and the thin the same of the s		86.	The system of claim 85 wherein means for preparing said results as at least one parameter of a function call comprises:
	670		means for packaging said results as at least one delimited string.
		87.	The system of claim 81 wherein means for processing said results at said Web page(s) comprises:
	675		means for passing said results to at least one function of said Web page(s); and
			means for executing said function(s) to process said results.
	680	88.	The system of claim 87 wherein means for executing said function(s) to process said results comprises:
			means for parsing at least one delimited string containing said results.